Clean Earth of North Jersey, Inc.

115 Jacobus Avenue, Kearny, NJ 07032 (973) 344-4004

Approval Code D) _____ B) _____

Generic Code D) _____ B) _____

Customer # ENV110

LSR # _____

Master WPS ☐ Yes ☒ No

Technical Rep. Initials RM

Broker Name (if applicable) ERLLC

Approval Date _____

A. GENERATOR INFORMATION

Generator's Name US EPA Region 2/ Raritan Bay Slag Margaret's Creek RA Site

Mailing Address 2890 Woodbridge Avenue Mail Stop 211 Edison, NJ 08837

Waste Pickup Address 170 State Route 35 North Old Bridge, NJ 08857

EPA ID No. NJN000206276 MSDS Attached ☐ Yes ☒ No

Tech Contact Andrew Confortini Phone 732-906-6827

Common Name of Waste D004, D008 Lead smelter slag and soil

Process Generating Waste Remedial Action removing Lead smelter slag and soil from a Superfund site. Slag physically segregated from soil. Slag size 6" - 24"

Biennial Report Codes: SIC Code _____ Source Code A _____ Form Code B _____

Origin Code _____ System Type _____

Is this waste from a plant closure or plant clean up? ☐ Yes ☒ No

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)

Total Cyanides none

Amenable Cyanides none

Reactive Sulfides none

Check if waste is:

- ☐ Water Reactive
- ☐ Air Reactive
- ☐ Shock Sensitive
- ☐ Generates Toxic Fumes when mixed with Acid, Base or H2O

ODOR

☒ None ☐ Mild ☐ Strong

Describe _____

COLOR TAN / RUST / DARK GREY

PHYSICAL STATE @ 70°F

- ☒ Solid
- ☐ Liquid
- ☐ Powder
- ☐ Semi-Solid
- ☐ Single Phase
- ☐ Bi-Layered
- ☐ Multi-Layered
- ☐ Gas/Aerosol

CORROSIVITY (pH)

- ☐ ≤2.0
- ☐ 2.01 - 5.0
- ☒ 5.01 - 9.0
- ☐ 9.01 - 12.49
- ☐ ≥12.50

_____ Exact pH

PERCENT LIQUID/SOLID

Total Solids 100 %

Suspended Solids 0 %

Free Liquid 0 %

Water 0 %

IGNITABILITY

Liquids:

Flash Point °F

- ☐ <100°
- ☐ ≥100° <140°
- ☐ >140° ≤200°
- ☒ >200°
- ☐ Actual

Ignitable Solids: ☐ Yes ☒ No

SPECIFIC GRAVITY

- ☐ <.8
- ☐ ≥.8 ≤1
- ☐ >1 ≤1.2
- ☒ >1.2

Exact: _____

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	Range Min.-Max.	
LEAD SMELTER SLAG, 6" TO 24"	☐	☐	80 - 85	%
SOIL	☐	☐	15 - 20	%
TCLP Sb Antimony	☐	☐		%
TCLP Be Beryllium	☐	☐		%
TCLP Ni Nickel	☐	☐		%
TCLP Tl Thallium	☐	☐		%
	☐	☐		%
	☐	☐		%
Through the various site assessments performed by the US Army Corps of Engineers, CDM	☐	☐		%
Smith etc. at the Raritan Bay Margaret's Creek Sector - Metals are the only Contaminants of	☐	☐		%
of Concern in the Lead Slag to be shipped to Envirosafe.	☐	☐		%
	☐	☐		%
		TOTAL	100	%

Please note the chemical composition total in the range (Max.) column must be greater than or equal to 100 percent.

7/23/2013

D. TOXICITY CHARACTERISTICS

Contaminant	EPA Waste #	Regulatory Level (mg/L)	Actual Level
Arsenic	D004	5.0	> 5.0 mg/l
Barium	D005	100.0	< 100.0 mg/l
Cadmium	D006	1.0	< 1.0 mg/l
Chromium	D007	5.0	< 5.0 mg/l
Chromium CR+ 6	D007	5.0	< 5.0 mg/l
Lead	D008	5.0	> 5.0
Mercury	D009	0.2	< 0.2 mg/l
Selenium	D010	1.0	< 1.0 mg/l
Silver	D011	5.0	< mg/l
Benzene	D018	0.5	< 0.5 mg/l
Carbon Tetrachloride	D019	0.5	< 0.5 mg/l
Chlordane	D020	0.03	< 0.03 mg/l
Chlorobenzene	D021	100.0	< 100.0 mg/l
Chloroform	D022	6.0	< 6.0 mg/kg
o-Cresol	D023	200.0 **	< 200.0 mg/l
m-Cresol	D024	200.0 **	< 200.0 mg/l
p-Cresol	D025	200.0 **	< 200.0 mg/l
Cresol	D026	200.0 **	< 200.0 mg/l
2,4-D	D016	10.0	< 10.0 mg/l
1,4-Dichlorobenzene	D027	7.5	< 7.5 mg/l
1,2-Dichloroethane	D028	0.5	< 0.5 mg/l
1,1-Dichloroethylene	D029	0.7	< 0.7 mg/l
2,4-Dinitrotoluene	D030	0.13 *	< 0.13 mg/l
Endrin	D012	0.02	< 0.02 mg/l
Heptachlor (and its epoxide)	D031	0.008	< 0.008 mg/l
Hexachlorobenzene	D032	0.13 *	< 0.13 mg/l
Hexachlorobutadiene	D033	0.5	< 0.5 mg/l
Hexachloroethane	D034	3.0	< 3.0 mg/l
Lindane	D013	0.4	< 0.40 mg/l
Methoxychlor	D014	10.0	< 10.0 mg/l
Methyl Ethyl Ketone	D035	200.0	< 200.0 mg/l
Nitrobenzene	D036	2.0	< 2.0 mg/l
Pentachlorophenol	D037	100.0	< 100.0 mg/l
Pyridine	D038	5.0 *	< 5.0 mg/l
Tetrachloroethylene	D039	0.7	< 0.7 mg/l
Toxaphene	D015	0.5	< 0.5 mg/l
Trichloroethylene	D040	0.5	< 0.5 mg/l
2,4,5-Trichlorophenol	D041	400.0	< 400.0 mg/l
2,4,6-Trichlorophenol	D042	2.0	< 2.0 mg/l
2,4,5-TP (Silvex)	D017	1.0	< 1.0 mg/l
Vinyl chloride	D043	0.2	< 0.2 mg/l

* Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

** If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L.

E. HAZARDOUS CHARACTERISTICS

- ☐ Radioactive
- ☐ Infectious
- ☒ Toxic
- ☐ Explosive
- ☐ Pyrophoric
- ☐ Oxidizer
- ☐ Corrosive
- ☐ Other Describe _____
- ☐ Corrosive
- ☐ None of the above
- ☐ Compressed Gas
- ☐ Flammable Solid
- ☐ Organic Peroxide
- ☐ Shock Sensitive
- ☐ Reactive Metals (Specify in section C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

Immediate (Acute) Health Hazard
- ☒ None
- ☐ Highly Toxic
- ☐ Toxic
- ☐ Irritant
- ☐ Sensitizer
- ☐ Corrosive
- ☐ Other Hazardous Chemicals with an adverse effect on a target organ that generally occurs as a result of short term exposure and with a short duration.

Delayed (Chronic) Health Hazard
- ☐ Carcinogens (if carcinogens are known to be in waste, specify the carcinogen in Section C)
- ☐ Other Hazardous Chemicals with an adverse effect on a target organ that generally occurs as a result of long term exposure and with a long duration.

G. SHIPPING INFORMATION

- ☐ Bulk Liquid
- ☒ Bulk Solid
- ☐ Bulk Sludge
- ☐ Other Describe _____
- ☐ Drums (Steel)
- ☐ Drums (Poly)

Shipping Frequency: Quantity 0 - 10,000 tons Per event

H. MANIFEST INFORMATION

Is this a DOT Hazardous Material? ☒ Yes ☐ No

Proper DOT shipping name (49CFR table 172.101) NA3077, Hazardous Waste,Solid, NOS, (Arsenic, Lead), 9, PGIII, RQ Rq. Units (lb/kg) 10

DOT Hazard Class / Division: Class 9 UN/UA NA 3077. Packing Group (select one) ☐ I ☐ II ☒ III

Additional descriptions requirements (49CFR 172.203) Full DOT info: NA3077, Hazardous Waste, Solid, NOS, (Arsenic,Lead), 9, PGIII (D004,D008), RQ

Emergency response telephone number (49CFR 172.604) 888-814-7477 Contact (print name) _____

I. WASTE CHARACTERISTICS

Is this a US EPA Hazardous Waste? ☒ Yes ☐ No US EPA Hazardous Waste Number(s) D004, D008 Hazard Codes _____

If yes, if the waste is a characteristic hazardous waste, does it contain underlying hazardous constituents (as defined at 40CRT 268.2(I)) Above the Universal Treatment Standard.

☒ Yes ☐ No If yes, please complete the UHC Waste Profile Addendum.

State Non-Hazardous Waste Number(s) _____

Does this waste contain any PCBs? ☐ Yes ☒ No If yes, indicate level _____ Are PCBs TSCA Regulated? ☐ Yes ☒ No

Does this waste contain any herbicides, pesticides, dioxin or residues thereof? ☐ Yes ☒ No If yes, list compound and concentration in Section C.

Is this waste prohibited from land disposal under 40CFR Part 268? ☒ Yes ☐ No

If yes, list waste subcategory description, if applicable _____ or check none ☒ None

Is this waste a (check one) ☒ Non-Wastewater ☐ Wastewater? (See 40CFR 268.2)

Benzene NESHAP applicability: Is waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF?

☐ Yes ☒ No If yes, give benzene concentration _____

If this waste is a RCRA Hazardous Waste, does it contain VOCs in concentrations ≥500 PPM (40CFR Subpart CC)? ☐ Yes ☒ No

Are there any special handling instructions for the disposal of this waste? ☒ Yes ☐ No If yes, specify treatment and final disposal facilites must be CERCLA

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE CLEAN EARTH OF NORTH JERSEY TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

Signature _____

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

Safety _____

Environ _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transferred to Clean Earth of North Jersey (CENJ) for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain >1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by CENJ, nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by CENJ and hereby agree to indemnify and hold CENJ harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The inforamtion on this Waste Material Profile Sheet (WMPS) may have been prepared by other individuals. By signing Section O of this WMPS, I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards.

10/09/2017	Andrew Confortini	EPA ON Site Coordinator	
Date	Printed Name	Title	Signature

Clean Earth of North Jersey has all of the appropriate permits for and will accept the waste that has been characterized/identified by this Approved Waste Material Profile Sheet.

Waste Profile CBU Sheet
Addendum

Generator Name US EPA Region 2/ Raritan Bay Slag

Address 2890 Woodbridge Avenue Mail Stop 211

Edison, NJ 08837

170 State Route 35 North Old Bridge, NJ 08857

Customer Name Environmental Restorations LLC

Approval Number

Does your waste stream contain any of the below constituents? [x] Yes [ ] No

If yes, indicate either less than the listed value or state the actual level in the appropriate column.

Constituent	PPMW*	Less Than	Actual Level
Arsenic	4,000	X	
Cadmium	4,000	X	
Chromium +6	21,400	X	
Lead	80,000	X	
Mercury	80	X	
Beryllium	800	X	
Nickel	80,000	X	
Benzene	400	X	
Chlorobenzene	400	X	
Cumene	960	X	
Ethylene Glycol	56,000	X	
Methanol	4,800	X	
Methylene Chloride	880	X	
Methyl Ethyl Ketone	800	X	
Methyl Isobutyl Ketone	1,360	X	
Phenol	1,360	X	
Tetrachloroethylene	400	X	
Toluene	560	X	
Trichloroethylene	480	X	
Xylene	1,200	X	

*mg/Kg

Certification

I certify that the information provided to Clean Earth of North Jersey is complete and is an accurate representation of the waste.

Generator's Name Print Andrew Confortini

Signature

7/23/2013

WASTE MATERIAL PROFILE SHEET INSTRUCTIONS

The following information is required of all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. All questions must be answered and completed in ink. Response of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows:

PART A - GENERATOR INFORMATION

GENERATOR NAME AND ADDRESS- As notified to EPA.
MAILING ADDRESS- Should be the location that will manage the returned waste profile sheets and manifest.
US EPA ID- For the facility generating the waste.
TECHNICAL CONTACT- A person who could give additional information about the waste, if needed.
COMMON NAME OF WASTE- A name which will be generally descriptive of the waste; a generic classification (e.g., paint, oil and water).
PROCESS GENERATING WASTE- Specific descriptive process or source which generates the waste.

PART B - PHYSICAL/CHEMICAL CHARACTERISTICS OF WASTE

ODOR- If present, describe as well as possible (e.g., solvent, acrid, sweet).
COLOR- Self explanatory.
PHYSICAL STATE- Check as many as apply.
FLASH POINT/IGNITABILITY- A value attained using the appropriate testing method as set forth in 40CFR Part 261.21.
AIR REACTIVE- Will ignite spontaneously in air.
SHOCK SENSITIVE- Normally unstable and readily undergoes violent change without detonating.
GENERATES TOXIC FUMES- In sufficient quantity to endanger human health or the environment when mixed with water, acid or base.
PERCENT LIQUID/SOLID- List the % total solids, suspended solids, free liquids and water.
SPECIFIC GRAVITY- The weight of the water compared to the weight of an equal volume of the waste.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, Material Safety Data Sheets or other documents which adequately describe the composition of the waste must be provided. For each component indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5) indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTS D, F and/or H should be included, even if specific concentrations are not known. Any components listed in PARTS D, F, and/or H which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth or other components. If a unit of measure other than percent must be used, indicate that unit. Indicate which, if any, of the constituents are listed in SARA, Title III, Section 313. This list can be found at 40CFR Part 372. Also, indicate which, if any, of the constituents are listed in SARA, Title III, EHS Section 302. This list can be found at 40 CFR Part 355; Appendices A and B.

PART D - TOXICITY CHARACTERISTIC

Use the appropriate line to indicate the actual level, specified ranges or if below regulated level for each toxicity characteristic as defined by 40CFR Part 261.24.

PART E - HAZARDOUS CHARACTERISTICS

Complete if the waste exhibits any of the hazardous characteristics as per OSHA 29CFR Part 1910.1200 Hazard Communications Standard.

PART F - SARA/OSHA

See below for detailed directions.

PART G - SHIPPING INFORMATION

Indicate method of shipment and type of container. If drums, they must be as specified in 49CFR Part 173, 178 or 179. Indicate quantity to be shipped during specified time frame (e.g., 10 drums per month).

PART H - MANIFEST INFORMATION

Is the waste a US DOT hazardous material as defined in 49CFR Part 172.101? If yes, enter the **SHIPPING NAME, HAZARD CLASS/ DIVISION, DOT ID NUMBER, R.Q.** (Reportable Quantity) as defined in 49CFR and identify applicable **PACKAGING GROUP**. Enter the technical names of at least two most predominant components which contribute to the hazards of the mixture or solution for all proper shipping names found in 49CFR Part 172.203 (k)3. Enter the Emergency Response Telephone number and contact name as required by 49CFR Part 172.604.

PART I - WASTE CHARACTERISTICS

Use this section to properly list all applicable US EPA/STATE Hazardous Waste Numbers and identify any waste that may be prohibited from land disposal under 40CFR Part 268.

PART J - AUTHORIZATION TO CORRECT WMPS

Provide generator's signature in this section to allow CENJ to make corrections on the WMPS that are consistent with the results of sample analysis and regulatory requirements. Signing this section will help expedite the approval process in the event corrections need to be made.

PART K - SPECIAL HANDLING/ COMMENTS

Use this section to alert the handlers of the waste of any precautions that should be taken or if the waste requires special safety or personal protective equipment. Use this space to list any additional information that may help in managing this waste.

PARTS N/O - WARRANTIES/ SIGNATURE

Please read these warranties carefully. If any of these warranties cannot be certified, state the reason in Section K, Comments. The generator of the waste must sign and date the Generator's Waste Material Profile Sheet.

***PART F - CONTINUED, Instructions on Health Hazard Characterization**

Identify by checking the box which most appropriately describes the hazardous characteristics as defined below:

NONE
Self-explanatory.

HIGHLY TOXIC
(a) A chemical that has a median lethal dose (LD50) of 50 milligrams or less per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
(b) A chemical that has a median lethal dose (LD50) of 200 milligrams or less per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of albino rabbits weighing between 2 and 3 kilograms each.
(c) A chemical that has a median lethal concentration (LC50) in the air of 200 parts per million by volume or less of gas or vapor, or 2 milligrams per liter or less of mist, fume or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

TOXIC
(a) A chemical that has median lethal dose (LD50) of more than 50 milligrams per kilogram but not more than 500 milligrams per kilogram of body weight when administered orally to albino rats weighing between 200 and 300 grams each.
(b) A chemical that has a median lethal dose (LD50) of more than 200 milligrams per kilogram but not more than 1000 milligrams per kilogram of body weight when administered by continuous contact for 24 hours (or less if death occurs within 24 hours) with the bare skin of

albino rabbits weighing between 2 and 3 kilograms each.
(c) A chemical that has a median lethal concentration (LC50) in air of more than 200 parts per million but not more than 2000 parts per million by volume of gas or vapor, or more than two milligrams per liter but not more than 20 milligrams per liter of mist, fume, or dust, when administered by continuous inhalation for one hour (or less if death occurs within one hour) to albino rats weighing between 200 and 300 grams each.

IRRITANT
Irritant means a chemical substance or mixture, not a corrosive which on immediate, prolonged or repeated contact with normal living tissues induces a local inflammatory response in the skin, eyes or mucous membranes per 16CFR Part 1500.41.

SENSITIZER
Sensitizer means a chemical substance or mixture that causes a substantial number of persons to develop a hypersensitive reaction in normal tissue upon reapplication of the chemical substance or mixture through an allergic or photodynamic reaction.

CORROSIVE
Corrosive Material means a chemical liquid or solid that causes visible destruction or irreversible alteration in human skin tissue at the site of contact or in the case of leakage from its packaging, a liquid that has a severe corrosion rate on steel.
(1) A Material is considered to be destructive or to cause irreversible alteration in skin tissue if, when tested on the intact skin of the albino rabbit by the method described in Appendix A of 49CFR Part 173, the structure of the tissue at the site of contact is destroyed or changed irreversibly after an exposure period of 4 hours or less.

(2) A liquid is considered to have a severe corrosive rate if its corrosion rate exceeds 0.250 inch per year (IPY) on steel (SAE 1020) at a test temperature of 103F.

OTHER HAZARDOUS CHEMICALS . . .
Short Term
Acute (short term) refers to the adverse effects that normally are evident immediately or shortly after the exposure. Appropriate information on the effects of inhalation and skin or eye exposure should be entered here. The information should be in the form of simple symptomatic statements such as "pale and nauseous," "dizzy feeling," "weak," "irritation," etc. Again, refer to supplier MSDSs, the NPCA Labeling Guide or any other appropriate source for hazard warning language.

CARCINOGENS
Carcinogen means a chemical which has been demonstrated to cause cancer in humans or to cause cancer in animals and, therefore, is considered capable of causing cancer in humans. A chemical is considered to be a carcinogen if:
(a) it has been evaluated by the International Agency for Research on Cancer (IARC) and found to be a carcinogen or potential carcinogen; or
(b) it is listed as a carcinogen or potential carcinogen in the Annual Report on Carcinogens published by the National Toxicology Program (NTP) (latest edition); or
(c) it is regulated by OSHA as a carcinogen.

OTHER HAZARDUS CHEMICALS . . .
Long Term
Chronic (long term, cumulative) refers to the adverse effects that develop slowly over a long period of time or upon repeated prolonged exposure. Appropriate information on the effects of chronic overexposure should be reported here. Evidence of carcinogenicity, asbestosis, sensitization, etc., should be indicated here. Known or suspect mutagens or teratogens must also be identified here.
Mutagen means those chemical or physical effects which can alter genetic material in an organism and results in physical or functional changes in all subsequent generations.
Teratogen means a chemical which has been demonstrated to cause physical defects in the developing embryo.

SAMPLES
If the generator cannot properly characterize their waste, a representative sample must accompany each Waste Material Profile Sheet submitted to CENJ. The only exception would be for virgin material where a Material Safety Data Sheet (MSDS) has been submitted with the Profile Sheet.

All samples must be taken according to 40CFR Part 261 Appendix I or the New Jersey DEP Field Sampling Procedures Manual.

All samples must be packaged according to US DOT, US EPA and any other applicable regulations.

Each sample container must be properly labeled to comply with NJAC 7:26 - 8.2(A) 12ii and NJAC 8:59 - Subchapter 5 and any other applicable regulations.

A CENJ Chain of Custody Record must be completed and submitted with each sample. Samples which are not properly classified, described, packaged, marked, labeled and in the proper condition to transport according to the applicable regulations of the US DOT, OSHA, NJ DEP, New Jersey Worker and Community Right-to-Know Act and/or any other applicable regulations may be rejected and returned at the generator's expense.

INDEMNITY
Customer hereby agrees to indemnify and hold CENJ harmless from and against any and all loss, damage, suits, liability and expenses (including, but not limited to, reasonable investigation and legal expenses) arising out of any claim for loss of or damage to property, including CENJ's property, and injuries to or death of persons, including customer's or CENJ's employees, caused by or resulting from the negligence or willful misconduct or violation of any federal, state or local laws or regulations of customer, its employees or agents. CENJ hereby agrees to indemnify and hold customer harmless from and against all loss, damage, suits, liability and expenses (including, but not limited to, reasonable investigation and legal expenses) arising out of any claim for loss of or damage to property, including customer's property, and injuries to or death of persons, including CENJ's or customer's employees, to the extent caused by or resulting from the negligence or willful misconduct of CENJ, its employees or agents.

DISTRIBUTION OF COPIES
Retain a copy for your records. Send a copy of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address below.

Clean Earth of North Jersey, Inc.
115 Jacobus Avenue
Kearny, NJ 07032
T 973-344-4004
F 973-344-8652

CLEAN EARTH OF NORTH JERSEY, INC. UHC WASTE PROFILE ADDENDUM

GENERATOR NAME: US EPA Region 2/ Raritan Bay Slag Margaret's Creek RA Site

CUSTOMER NO.: ENV110

APPROVAL CODE #:

If the generator determines that their waste displays a hazardous characteristic (and is not D001 nonwastewaters treated by CMBST, RORGS, or POL YM of 268.42, Table 1), the generator must determine the underlying hazardous constituents (as defined at 268.2(i)) in the characteristic waste.
If your waste falls into this category, please identify all underlying hazardous constituents present at levels above the Universal Treatment Standards (UTS) at the point of generation, by checking the UTS Table below and on Page 2 the constituent(s) which are present. Please print and sign your name on Page TWO (2) of this Form.

CONSTITUENT	CONSTITUENT PRESENT *	WW (mg/l)	NWW (mg/kg)
ORGANIC CONSTITUENTS			
Acenaphthylene		0.05900	3.400
Acenaphthene		0.05900	3.400
Acetone		0.28000	160.000
Acetonitrile		5.60000	38.000
Acetophenone		0.01000	9.700
2-Acetylaminofluorene		0.05900	140.000
Acrolein		0.29000	NA
Acrylamide		19.000	23.000
Acrylonitrile		0.24000	84.000
Aldicard sulfone		0.05600	0.280
Aldrin		0.02100	0.066
4-Aminobiphenyl		0.13000	NA
Aniline		0.81000	14.000
Anthracene		0.05900	3.400
Aramite		0.36000	NA
Barban		0.05600	1.400
alpha-BHC		0.00014	0.066
beta-BHC		0.00014	0.066
delta-BHC		0.02300	0.066
gamma-BHC (Lindane)		0.00170	0.066
Bendiocarb		0.05600	1.400
Benomyl		0.05600	1.400
Benzene		0.14000	10.000
Benz (a) anthracene		0.05900	3.400
Benzal chloride		0.05500	6.000
Benzo (b) fluoranthene		0.11000	6.800
Benzo (k) fluorathene		0.11000	6.800
Benzo (g,h,i) perylene		0.00550	1.800
Benzo (a) pyrene		0.06100	3.400
Bromodichloromethane		0.35000	15.000
Bromoform (Tribromomethane)		0.63000	15.000
Bromomethane (methyl bromide)		0.11000	15.000
4-Bromophenyl phenyl ether		0.05500	15.000
n-Butanol (n-Butyl alcohol)		5.60000	2.600
Butylate		0.04200	1.400
Butyl benzyl phthalate		0.01700	28.000
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)		0.06600	2.500
Carbaryl		0.00600	0.140
Carbendazim		0.05600	1.400
Carbofuran		0.00600	0.140
Carbofuran phenol		0.05600	1.400
Carbon disulfide		3.80000	4.800[1]
Carbon tetrachloride		0.05700	6.000
Carbosulfan		0.02800	1.400
Chlordane (alpha & gamma)		0.00330	0.260
p-Chloroaniline		0.46000	16
Chlorobenzene		0.05700	6.000
Chlorobenzilate		0.10000	NA
2-chloro-1,3-butadiene		0.05700	0.280
Chlorodibromomethane		0.05700	15.000
Chloroethane		0.27000	6.000
bis-(2-Chloroethoxy) methane		0.03600	7.200
bis-(2-Chloroethyl) ether		0.03300	6
Chloroform		0.04600	6
bis-(2-Chloroisopropyl) ether		0.05500	7.2
p-Chloro-m-cresol		0.01800	14.000
2-Chloroethyl Vinyl ether		0.06200	NA
Chloromethane (methyl chloride)		0.19000	30.000
2-Chloronaphthalene		0.05500	5.600
2-Chlorophenol		0.04400	5.700
3-Chloropropylene		0.03600	30.000
Chrysene		0.05900	3.400
m-Cresol		0.77000	5.600
o-Cresol		0.11000	5.600
p-Cresol		0.77000	5.600
m-Cumenyl methylcarbamate		0.05600	1.400
Cyclohexanone		0.36000	0.750[1]

CONSTITUENT	CONSTITUENT PRESENT *	WW (mg/l)	NWW (mg/kg)
1,2-Dibromo-3-Chloropropane		0.11000	15.000
1,2-Dibromoethane (Ethylene dibromide)		0.02800	15.000
Dibromomethane		0.11000	15.000
2,4-Dichlorophenoxyacetic acid (2,4-D)		0.72000	10.000
o,p-DDD		0.02300	0.087
p,p-DDD		0.02300	0.087
o,p-DDE		0.03100	0.087
p,p-DDE		0.03100	0.087
o,p-DDT		0.00390	0.087
p,p-DDT		0.00390	0.087
Dibenzo(a,h) anthracene		0.05500	8.200
Dibenzo(a,e)pyrene		0.06100	NA
m-Dichlorobenzene		0.03600	6.000
o-Dichlorobenzene		0.08800	6.000
p-Dichlorobenzene		0.09000	6.000
Dichlorodifluoromethane		0.23000	7.200
1,1-Dichloroethane		0.05900	6.000
1,2-Dichloroethane		0.21000	6.000
1,1-Dichloroethylene		0.02500	6.000
trans-1,2-Dichloroethylene		0.05400	30.000
2,4-Dichlorophenol		0.04400	14.000
2,6-Dichlorophenol		0.04400	14.000
1,2-Dichloropropane		0.85000	18.000
cis-1,3-Dichloropropylene		0.03600	18.000
trans-1,3-Dichloropropylene		0.03600	18.000
Dieldrin		0.01700	0.130
Diethyl phthalate		0.20000	28.000
p-Dimethylaminoazobenzene		0.13000	NA
2,4-Dimethyl phenol		0.03600	14.000
Dimethyl phthalate		0.04700	28.000
Di-n-butyl phthalate		0.05700	28.000
1,4-Dinitrobenzene		0.32000	2.300
4,6-Dinitro-o-cresol		0.28000	160.000
2,4-Dinitrophenol		0.12000	160.000
2,4-Dinitrotoluene		0.32000	140.000
2,6-Dinitrotoluene		0.55000	28.000
Di-n-octyl phthalate		0.01700	28.000
Di-n-propylnitrosoamine		0.40000	14.000
Dithiocarbamates (Total)			28.000
1,4-Dioxane		12.00000	170.000
Diphenyl amine		0.92000	13.000
Diphenylnitrosamine		0.92000	13.000
1,2-Diphenyl hydrazine		0.08700	NA
Disulfoton		0.01700	6.200
Endosulfan I		0.02300	0.066
Endosulfan II		0.02900	0.130
Endosulfan sulfate		0.02900	0.130
Endrin		0.00280	0.130
Endrin aldehyde		0.02500	0.130
EPTC		0.04200	1.400
Ethyl acetate		0.34000	33.000
Ethyl benzene		0.05700	10.000
Ethyl cyanide (Propanenitrile)		0.24000	360.000
Ethyl ether		0.12000	160.000
bis-(2-Ethylhexyl) phthalate		0.28000	28.000
Ethyl methacrylate		0.14000	160.000
Ethylene oxide		0.12000	NA
Famphur		0.01700	15.000
Fluoranthene		0.06800	3.400
Fluorene		0.05900	3.400
Formetanate hydrochloride		0.05600	1.400
Heptachlor		0.00120	0.066
Heptachlor epoxide		0.01600	0.066
Hexachlorobenzene		0.05500	10
Hexachlorobutadiene		0.05500	5.600
Hexachlorocyclopentadiene		0.05700	2.400
Hexachlorodibenzo-furans		0.000063	0.001
Hexachlorodibenzo-p-dioxins		0.000063	0.001

* Above the Universal Treatment Standards

GENERATOR NAME: US EPA Region 2/ Raritan Bay Slag Margaret's Creek RA Site **Customer No. :** ENV110

APPROVAL CODE #:

CONSTITUENT	CONSTITUENT PRESENT *	WW (mg/l)	NWW (mg/kg)
Hexachloroethane		0.05500	30.000
Hexachloropropylene		0.03500	30.000
Indeno (1,2,3-c,d) pyrene		0.00550	3.400
Iodomethane		0.19000	65.000
Isobutanol (Isobutyl Alcohol)		5.60000	170.000
Isodrin		0.02100	0.066
Isosafrole		0.08100	2.600
Kepone		0.00110	0.130
Methacrylonitrile		0.24000	84.000
Methanol		5.60000	0.750[1]
Methapyrilene		0.08100	1.500
Methiocarb		0.05600	1.400
Methomyl		0.02800	0.140
Methoxychlor		0.25000	0.180
3-Methylcholanthrene		0.00550	15.000
4,4-Methylene-Bis-(2-chloroaniline)		0.50000	30.000
Methylene Chloride		0.08900	30.000
Methyl ethyl ketone		0.28000	36.000
Methyl isobutyl ketone		0.14000	33.000
Methyl methacrylate		0.14000	160.000
Methyl methanesulfonate		0.01800	NA
Methyl parathion		0.01400	4.600
Metolcarb		0.05600	1.400
Mexacarbate		0.05600	1.400
Molinate		0.04200	1.400
Naphthalene		0.05900	5.600
2-Naphthylamine		0.52000	NA
o-Nitroaniline		0.27000	14.000
p-Nitroaniline		0.02800	28.000
Nitrobenzene		0.06800	14.000
5-Nitro-o-toluidine		0.32000	28.000
o-Nitrophenol		0.02800	13.000
p-Nitrophenol		0.12000	29.000
N-Nitrosodiethylamine		0.40000	28.000
N-Nitrosodimethylamine		0.40000	2.300
N-Nitroso-di-n-butylamine		0.40000	17.000
N-Nitrosomethylethylamine		0.40000	2.300
N-Nitrosomorpholine		0.40000	2.300
N-Nitrosopiperidine		0.01300	35.000
N-Nitrosopyrrolidine		0.01300	35.000
Oxamyl		0.05600	0.280
Parathion		0.01400	4.600
PCBs (total) all isomers or Aroclors		0.10000	10.000
Pebulate		0.04200	1.400
Pentachlorobenzene		0.05500	10.000
Pentachloroethane		0.05500	6.000
Pentachlorodibenzo-furans		0.000035	0.001
Pentachlorodibenzo-p-dioxins		0.000063	0.001
Pentachloronitrobenzene		0.05500	4.800
Pentachlorophenol		0.08900	7.400
Phenacetin		0.08100	16.000
Phenanthrene		0.05900	5.600
Phenol		0.03900	6.200
Phorate		0.02100	4.600
Phthalic acid		0.05500	28.00
Phthalic anhydride		0.05500	28.000
Physostigmine		0.05600	1.400
Physostigmine salicylate		0.05600	1.400

CONSTITUENT	CONSTITUENT PRESENT *	WW (mg/l)	NWW (mg/kg)
Promecarb		0.05600	1.400
Pronamide		0.09300	1.500
Propham		0.05600	1.400
Propoxur		0.05600	1.400
Prosulfocarb		0.04200	1.400
Pyrene		0.06700	8.200
Pyridine		0.01400	16.000
Safrole		0.08100	22.000
Silvex (2,4,5-TP)		0.72000	7.900
1,2,4,5-Tetrachlorobenzene		0.05500	14.000
Tetrachlorodibenzo-furans		0.000063	0.001
Tetrachlorodibenzo-p-dioxins		0.000063	0.001
1,1,1,2-Tetrachloroethane		0.05700	6.000
1,1,2,2-Tetrachloroethane		0.05700	6.000
Tetrachloroethylene		0.05600	6.000
2,3,4,6-Tetrachlorophenol		0.03000	7.400
Thiodicarb		0.01900	1.400
Thiophanate-methyl		0.05600	1.400
Toluene		0.08000	10.000
Toxaphene		0.00950	2.600
Triallate		0.04200	1.400
Tribromomethane/Bromoform		0.06300	15.000
2,4,6-Tribromophenol		0.03500	7.400
1,2,4-Trichlorobenzene		0.05500	19.000
1,1,1-Trichloroethane		0.05400	6.000
1,1,2-Trichloroethane		0.05400	6.000
Trichloroethylene		0.05400	6.000
Trichloromonofluoromethane		0.02000	30.000
2,4,5-Trichlorophenol		0.18000	7.400
2,4,6-Trichlorophenol		0.03500	7.400
2,4,5-Trichlorophenoxyacetic acit/2,4,5-T		0.07200	7.900
1,2,3-Trichloropropane		0.85000	30.000
1,1,2-Trichloro-1,2,2-trifluoroethane		0.05700	30.000
Triethylamine		0.08100	1.500
Tris(2,3,-dibromopropyl) phosphate		0.11000	0.100
Vernolate		0.04200	1.400
Vinyl chloride		0.27000	6.000
Xylene (sum of o-,m-, and p- isomers)		0.32000	30.000
Inorganic Constituents			
Cyanides (Total)		1.20000	590.000
Cyanides (Amenable)		0.86000	30.000
Antimony		1.90000	1.150[1]
Arsenic		1.40000	5.000[1]
Barium		1.20000	21.000[1]
Beryllium		0.82000	1.220[1]
Cadmium	0.180	0.69000	0.110[1]
Chromium(Total)		2.77000	0.600[1]
Fluoride [2]		35.0000	NA
Lead		0.69000	0.750[1]
Mercury (Non WW from retort)		NA	0.200[1]
Mercury (All others)		0.15000	0.025[1]
Nickel		3.98000	11.000[1]
Selenium		0.82000	5.700[1]
Silver		0.43000	0.140[1]
Sulfide[2]		14.00000	NA
Thallium		1.40000	0.20[1]
Vanadium[2]		4.30000	1.600[1]
Zinc [2]		2.61000	4.300 [1]

[1]These concentrations are expressed in mg/l and are measured through an analysis of TCLP extract; all others measured through a total waste analysis.

[2] These constituents are not Underlying Hazardous Constituents in characteristic wastes, according to the definition at 268.2(i) .

☐ This waste stream contains none of the Underlying Hazardous Constituents (UHC's) listed above or on Page 1, above the UHC's specific treatment standard (UTS) at the point of generation.

☐ Treat for all of the above underlying hazardous constituents.

The information above was determined by:

☐ Generator's knowledge of the waste

☐ Laboratory analysis

ANDREW L. CONFORTINI
Print Name

Signature

10/09/2017
Date

OSC
Title

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